

Attorney's Docket No. 032904-001Application No. 09/925,659

Page 2

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.-5. (Canceled)

6. (Currently Amended) A method ~~according to Claim 2~~ for slowing the progression of diabetic retinopathy in a diabetic not suffering from diabetic retinopathy which comprises administering to said diabetic an amount of a carbonic anhydrase inhibitor sufficient to slow the progression of diabetic retinopathy.

7.-11. (Canceled)

12. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is administered ophthalmically to the eye or eyes.

13. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is administered systemically.

14. (Original) A method according to Claim 13, wherein the carbonic anhydrase inhibitor is administered orally.

15. (Original) A method according to Claim 13, wherein the carbonic anhydrase inhibitor is administered parenterally.

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Attorney's Docket No. 032904-001Application No. 09/925,659

Page 3

16. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is dorzolamide.

17. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is acetazolamide.

18. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is brinzolamide.

19. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is methazolamide.

20. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is ethoxzolamide.

21. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is butazolamide.

22. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is dichlorphenamide.

23. (Currently Amended) A method according to ~~Claim 4~~ Claim 6, wherein the carbonic anhydrase inhibitor is flumethiazide.

Attorney's Docket No. 032904-001
Application No. 09/925,659
Page 4

24. (Original) A method according to Claim 12, wherein the carbonic anhydrase inhibitor is dorzolamide, acetazolamide, methazolamide, ethoxzolamide or brinzolamide.

25. (Original) A method according to Claim 14, wherein the carbonic anhydrase inhibitor is dorzolamide, acetazolamide, methazolamide, ethoxzolamide or brinzolamide.

26. (Original) A method according to Claim 15, wherein the carbonic anhydrase inhibitor is dorzolamide or brinzolamide.

27.-30. (Canceled)

31. (Currently Amended) A method ~~according to Claim 28~~ for slowing the progression of diabetic retinopathy in a diabetic not suffering from diabetic retinopathy which comprises administering to said diabetic an amount of a carbonic anhydrase inhibitor sufficient to slow the progression of diabetic retinopathy, said carbonic anhydrase inhibitor being the sole active agent administered to slow the progression of diabetic retinopathy.

32.-36. (Canceled)

Attorney's Docket No. 032904-001Application No. 09/925,659

Page 5

37. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is administered ophthalmically to the eye or eyes.

38. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is administered systemically.

39. (Previously Presented) A method according to Claim 38, wherein the carbonic anhydrase inhibitor is administered orally.

40. (Previously Presented) A method according to Claim 38, wherein the carbonic anhydrase inhibitor is administered parenterally.

41. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is dorzolamide.

42. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is acetazolamide.

43. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is brinzolamide.

44. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is methazolamide.

Attorney's Docket No. 032904-001
Application No. 09/925,659
Page 6

45. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is ethoxzolamide.

46. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is butazolamide.

47. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is dichlorphenamide.

48. (Currently Amended) A method according to ~~Claim 27~~ Claim 31, wherein the carbonic anhydrase inhibitor is flumethiazide.

49. (Previously Presented) A method according to Claim 37, wherein the carbonic anhydrase inhibitor is dorzolamide, acetazolamide, methazolamide, ethoxzolamide or brinzolamide.

50. (Previously Presented) A method according to Claim 39, wherein the carbonic anhydrase inhibitor is dorzolamide, acetazolamide, methazolamide, ethoxzolamide or brinzolamide.

51. (Previously Presented) A method according to Claim 40, wherein the carbonic anhydrase inhibitor is dorzolamide or brinzolamide.